

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755310012-6

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CIA-RDP86-00513R001755310012-6"

L 30370-66 ENT(m)/EWP(t)/ETI IJP(c) JD/HW/JG/WB/JXT(CZ)/CD
ACC NR: AT6012384 SOURCE CODE: UR/0000/65/000/000/01148/0154

AUTHORS: Nadutenko, G. P.; Gorbunov, S. A.; Anitov, I. S.; Teodorovich, V. P.

ORG: none

TITLE: A study of the effect of nickel, silicon, and niobium on the oxidation of titanium at high temperatures

SOURCE: Soveshchaniye po metallokhimii, metallovedeniyu i primeneniyu titana i yego splavov, 6th. Novyye issledovaniya titanovykh splavov (New research on titanium alloys); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1965, 148-154

TOPIC TAGS: titanium, titanium alloy, thermal stability, corrosion resistance, nickel, silicon, niobium, metal oxidation, binary alloy, oxidation kinetics

ABSTRACT: The oxidation in air of binary titanium alloys is studied at a temperature range of 800--1200C. The alloys had 1.5, 5 and 10% nickel and silicon, and one had 25% niobium. The alloys were prepared by double melting of electrodes in an electric-arc vacuum furnace. The oxidation kinetics were studied by the method of periodic weighing. The specimens were heated in air for up to 16 hrs at 800--1000C and up to 8 hrs at 1100--1200C. It was found that 1.5% Si in the alloy was optimum for

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ACC NR: AT6012384

increasing the thermal stability of titanium alloys at high temperatures; a further increase in the Si content decreases the oxidation resistance of the alloys. The introduction of Ni considerably reduces the thermal stability as compared with unalloyed titanium. The introduction of 25% Nb very greatly increases the thermal stability of the alloy, particularly at 1100--1200. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11/

SUBM DATE: 02Dec65/

ORIG REF: 010/ OTH REF: 001

Card 2/2 CC

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CIA-RDP86-00513R001755310012-6"

L 00731-67 EWT(m)/I/ENP(t)/ETI IJP(c) JD

ACC NR: AP6025819 (N)

SOURCE CODE: UR/0314/66/000/005/0012/0014

AUTHOR: Kolgatin, N. H. (Candidate of Technical Sciences); Teodorovich, V. P. (Candidate of Chemical Sciences); Doryabina, V. I. (Engr.)

ORG: none

TITLE: Effect of hydrogen on clad steels ⁶⁴₃

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 5, 1966, 12-14

TOPIC TAGS: hydrogen, metal cladding, stainless steel, corrosion

ABSTRACT: Hydrogen corrosion was studied on tubular specimens of 20 carbon steel clad from within with 1Kh18N9T stainless steel, and on flat specimens of St. 3+0Kh13 and 12MKh+0Kh13 clad steels. Hydrogen was forced into the tubular specimens up to a pressure of 50 kg/cm², and after being sealed, the specimens were kept for 4500 hr at 530°C. The flat specimens were kept in an autoclave at the same hydrogen pressure for 4000 hr at 450-500°C and for 1000 hr at 530°C. In the tubular specimens, a pressure of 5.6 kg/cm² was found to arise between the two layers. Clad 20 steel did not show any corrosion. In the flat specimens, the base layer of St. 3 showed considerable corrosion, but the base layer of 12MKh steel did not. It is concluded that 12MKh+1Kh18N9T clad steel with a proper ratio of the thicknesses of the base and clad layers can be used for building equipment employed in processes of hydrodesulfurization and catalytic re-

Card 1/2

UDC: 621.9-119:620.193.55.001.5

L 00731-57

ACC NR: AP6025819

forming of petroleum products at pressures of hydrogen-containing sulfur up to 50 kg/cm² and temperatures up to 530°C. Orig. art. has: 3 figures and 1 table.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 002

Card 2/2 LC

ACC NR: AP7001232

(N)

SOURCE CODE: UR/0314/66/000/012/0021/0026

AUTHOR: Teodorovich, V. P. (Candidate of chemical sciences); Kolgatin, N. N. (Candidate of technical sciences); Deryabina, V. I. (Engineer)

ORG: none

TITLE: The effect of hydrogen on the mechanical properties of metals at high temperature and pressure

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 12, 1966, 21-26

TOPIC TAGS: ~~metal~~ hydrogenation, steel, iron, nickel, copper, aluminum, low alloy steel, ~~chromium~~ stainless steel, chromium ~~nickel~~ stainless steel, ~~chromium~~ manganese stainless steel, hydrogen containing steel, high temperature metal property, high pressure metal property. *high temperature effect*

ABSTRACT: Specimens of 20, 12Kh2MFT, 15Kh2MF, Kh3VMF, Kh6VMFB, Kh12VMF, Kh18N9, 1G18Kh8T, 45G18Yu3, 35G12Kh8T, 4Kh12N8GMFB steel, commercial-grade iron, nickel, copper and aluminum have been tested for the effect of hydrogen on their mechanical properties. It was found that at 400-450C, hydrogen decreases the strength and ductility of 20 steel and iron, particularly during the first 60 hr. Annealing partially restores the ductility. Hydrogen at 500C and 50 kg/cm² pressure in 1000 hr caused decarburization, loosened grain boundaries and decreased the yield and tensile strengths by 32%, the elongation by 54%, the reduction of area by 72%, and the notch toughness by 92%.

Card 1/2

UDC: 669.1.002.612:546.11

ACC NR: AP7001232

There was no decarburization at 400 or 350C, and subsequently vacuum annealing completely restored the mechanical properties, with the exception of notch toughness. 15Kh2MF and 12Kh2MFT steels tested under 500 kg/cm² pressure at 300 and 450C for 1000, 3000 and 10,000 hr did not show any changes in their structure or mechanical properties. The amount of hydrogen absorbed by these steels did not exceed 12 cm²/100 g. The other steels, on the basis of results obtained by tests at 600C under 700 kg/cm² pressure, can be divided into two groups. The first group includes Kh12VMF, 1G18Kh8T and Kh6VMFB steels in which hydrogen caused a decrease of mechanical properties, particularly of elongation and notch toughness. However, vacuum annealing at 600C completely restored the mechanical properties to the original level. The second group of alloy steels included 35G12Kh8T and 45G18Yu3 austenitic steels, and Kh3VMF perlitic steel, whose mechanical properties are reduced by hydrogen and are not restored by vacuum annealing. It is believed that this is caused by the action of methane formed by the reaction of absorbed hydrogen with carbon. The mechanical properties of nickel and copper, which were exposed to hydrogen at 700 kg/cm² pressure and at 600C for 100 and 250 hr, dropped and their structure was effected by loosening of the grain boundaries. Aluminum properties and structure were not affected by exposures up to 250 hr to hydrogen under 700 kg/cm² pressure at 300C. Orig. art. has: 8 figures and 4 tables. [TD]

SUB CODE: 11/ SUBM DATE none/ ORIG REF: 001/ ATD PRESS: 5110

Card 2/2

CONDREA, P.; FRANCHE, M.; VITA, A.; TEODOROVICI, G.; DUGA, E.; DRAGOMIR, C.;
LASCU, H.; MINU-POPOVICI, V.; SEGAL, I.; ENE, M.

Antitularemic living vaccine in therapy of tularemia. Rev. igiena
microb. epidem., Bucur. No.2:27-36 Apr-June 54.

(TULAREMIA, therapy

living vaccine, results)

(VACCINES AND VACCINATION, ther. use
tularemia)

CANDREA, P.; GAIGINSCHI, Al.; TEODOROVICI, G.; DUCA, E.; STAVRI, N.;
PENGEA, I.; LASCU, N.

Active artificial immunization against tularemia. Rev. igiena
microb. epidem., Bucur. no.4:60-68 Oct-Dec 54.

(TULAREMIA, prev. & control
vacc., comparison of living & killed vaccines, in rats)
(VACCINES AND VACCINATION
tularemia vacc. in rats, comparison of living & killed
vaccines)

Country : RUMANIA

G

Category: Organic Chemistry. Organic Synthesis

Abs Jour: RZhKhim., No 17, 1959, No. 60851

Author : Zugravescu, I.; Petrovanu, M.; Teodorovici, H.

Inst : -

Title : Synthesis of Certain Derivatives of α -Aroyl-
Phenoxyacrylic Acids and Their Bacteriostatic
Activities.

Orig Pub: An. stiint. Un v. Iasi, 1958, Sec. 1, 4, No 1,
191-198

Abstract: By the substitution reaction of acrylic acids,
 $n\text{-RC}_6\text{H}_4\text{COCDr} = \text{CHCOOH}$ [Ia-c; a) $R = \text{H}$, b) $R = \text{CH}_3$
c) $R = \text{CH}_3\text{O}$] with corresponding phenols, in
the presence of NaOH were synthesized acids of
 $(n\text{-RC}_6\text{H}_4\text{CO}) (n\text{-R}'\text{C}_6\text{H}_4\text{O}) \text{C} = \text{CHCOOH}$ [IIa-f; a)

Card : 1/3

G-16

Country : ROMANIA

G

Category: Organic Chemistry. Organic Synthesis

Abs Jour: RZhKhim., No 17, 1959, No. 60851

R = CH₃, R' = H; b) R = CH₃, R' = CH₃; c) R = CH₃O, R' = H; d) R = CH₃O, R' = CH₃; e) R = H, R' = CH₃; f) R = CH₃, R' = CH₃O]. It was demonstrated that the bacteriostatic activity of II depended on R', the effect of which increased in the order of H < CH₃ < CH₃O. The most active was III. β-toluylacrylic acid was brominated with the calculated quantity of Br₂ in the CH₃COOH medium, separating α,β-dibromo-β-n-toluypropionic acid of 154° melting point (from benzene), 7.5 gr of which were heated for 4 hours with 9 gr CH₃COONa, 2.2 gr Na₂CO₃, 75 ml acetone and 3 ml CH₃OH, yielding Ib, 80%, melting point 173-174°.

Card : 2/3

Country : RUMANIA
 Category: Organic Chemistry. Organic Synthesis

G

Abn Jour: RZhKhim., No. 17, 1959, No. 60851

Analogically from α, β -dibromo- β -m-anizoyl-propionic acid, melting point 144-145°, it was synthesized, yielding 70% of 144-145° melting point material. To the solution of 2 gr Ia-salt of Ia-c in 10 ml water were added 2 gr. NaOH and 0.8 gr. NaOH in 4 ml water, heated for 4 hours at 70-75°, diluted with water, neutralized with H_2SO_4 , extracted with ether, acidified obtaining indicated pure substance, melting point in °C (from toluene): Ia, 131-132; b, 119-120; c, 127-128 (from alcoholated water); d, 109-111; e, 153-154; f, 149-150. -- D. Vitkovsky

Card : 3/3

G-17

TEODOROVICI, Gr., dr.; ZINGHER, S., dr.

Penicillinases and antipenicillinases. Microbiologia (Bucur)
3 no.5:395-403 S-O'58.

TEODOROVICI, G.; ZIMMER, S.

Some considerations relative to the biosynthesis of penicillinase and obtainment of antipenicillinase serum. p. 101.

REVISTA DE CHIMIE. Bucuresti, Rumania. Vol. 10, no. 2, Feb. 1959.

Monthly List of East European Accessions. (EPAI), LC. Vol. 8, no. 9, ^{Sept.} 1959.
Uncl.

BOTEZ, G.; TEODOROVICH, Gr. [Teodorovici, Gr.]; LUPUSHOR, G. [Lupusor, Gh.];
NITSESU, S. [Nitescu, S.]; BERNESCU, Ye. [Bernescu, E.]

Preparation of antibiotic tablets for the determination of bacterial
sensitivity by means of the agar diffusion method. Antibiotiki
5 no.6:80-83 N-D '60. (MIRA 14:3)

1. Politekhnikheskiy institut i Meditsinskiy institut, Yassy, Rumyniya.
(ANTIBIOTICS)

NICOLAU, St.S., academician; CONSTANTINESCU, N.; BIRZU, N.; ZAVATE, O.;
MICU, I.; TEODOROVICI, Gr.

The comparative course of human rabies in patients treated or not
treated with anti-rabies vaccine and the therapeutic directives
called for. Stud. cercet. inframicrobiol. 12:133-143 Supplement
'61.

(RABIES immunology)

(VACCINE THERAPY)

NICOLAU, St. S., acad.; CONSTANTINESCU, N.; BIRZU, N.; ZAVATE, O.; MICU, I.
TEODOROVICI, Gr.

Evolution of human rabies comparatively studied in both treated and untreated patients with antirabic vaccine. Consecutive therapeutic directives. Studii cerc inframicrobiol Special issue-supplement to 12:133-143 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de igiena, Iasi. 2. Membru al Comitetului de redactie si redactor responsabil, "Studii si cercetari de inframicrobiologie"(for Nicolau).

(HYDROPHOBIA)

TEOBOROVICI, Gr.

Research on pathogen staphylococci resistance to antibiotics and
pathogen staphylococci lysotypy. Microbiologia (Bucur) 6 no.1:56
Ja-F '61.

*

TEODOROVICI, Gr.; BALTEANU, Ecaterina; BERNESCU, Elisabeta; PENCEA, I.; PAVEL,
Mariana

Sensibility of some staphylococcal strains to oleandomycin-tetracycline
(sigmamycin). Microbiologia (Bucur) 6 no.1:59 Ja-F '61.

DUCA, M.; TEODOROVICI, Gr.; OANA, C.; DUCA, Eugenia; VITA, Alla; BIRSAN, Șt.;
ROSCA, Lucia; VANCEA, Georgeta; DIMITRIU, G.; MIHAILESCU, G.

Epidemic of adenovirus infection with ocular manifestations. Stud.
cercet. inframicrobiol. 13 no.3:359-366 '62.
(ADENOVIRUS INFECTIONS) (EYE MANIFESTATIONS)
(KERATOCONJUNCTIVITIS)

RUMANIA

M. DUCA, Gr. TEODOROVICI, Eugenia DUCA, Georgeta VANCEA, A. IVAN, Lidia HANDRACHE and C. OANA, [see affiliation above.] /

"Distribution of Influenza Antibodies by Age in Population of Moldavia in 1962."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963; pp 147-153.

Abstract [English summary modified]: Antibody analysis of sera of 388 persons of various ages to determine when the various influenza strains ceased to circulate in area: B(Lee)40 23 years ago; A(PR)34, 19; A(FM)47, 8; A₂(Iassi)59 and A(England)57 are still in circulation now. The 2 B strains are far apart antigenically. Table, 4 graphs; 8 Western, 3 Rumanian (1 in press) references.

RUMANIA

M. DUCA, Gr. TEODOROVICI, Eugenia DUCA, Georgeta VANCEA, Olga PETROAIE, Lidia HANDRACHE, Florica RUSU and A. IVAN; Department of Virology and Department of Epidemiology, Medical College (Catedra de virusologie si Catedra de epidemiologie, Institutul de medicina,) Iassi.

"Effectiveness of Vaccination with Type A₂ Live Influenza Virus."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963; pp 137-146.

Abstract [English summary modified]: Vaccination of 91 persons, incl. 75 students aged 14 to 19, by intranasal instillation route with Soviet-made A₂ influenza vaccine produced increase in inhibitory antibodies in 46 (50%) within 2 weeks, but this tended to persist only for a 2-week period. Virus strain isolated in the community in 1959 was a more potent antibody trigger. Stress (work outside in winter, fatigue) reduced immunologic responsivity and resistance to disease. Four tables, 2 graphs; 2 Soviet, 5 US, 1 Brit, 4 Rumanian (incl. 3 'in press') ref's.

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RUMANIA

M. DUCA, Gr. TEODOROVICI, C. OANA, P. FOISOR, G. VANCEA, A. IVAN, L. HANDRACHE and S. CHIRICA, College of Medicine and Pharmacy (Institutul de medicina si farmacie) and Regional Public Health Office (Sanepidul regional), Iassi.

"Epidemic of Influenza B in a Children's Community."

Bucharest, Studii si cercetari de inframicrobiologie, Vol 14, No 3, 1963; pp 305-313.

Abstract [English summary modified]: In May-June 1962, an epidemic of influenza B involved 17 of 40 children and 4 of 25 staff in a children's home in Iassi. Diagnosed serologically in that period while influenza A which had peaked in the area during Feb-Mar, had decreased markedly. Two of the children contracted both at 2.5 months' distance. Biphasic temperature curve. Three graphs, 3 tables, 4 Rumanian references.

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TEODOROVICI, Gr.; OANA, C.; GHEORGHIU, Melania; PETROAIE, Olga;
IVAN, A.

Incidence of carriers of antibiotic-resistant staphylococci
in various population groups in Moldavia. Arch. Roum. path.
exp. microbiol. 22 no.1:211-218 Mr. '63.

1. Travail de l'Institut Medico-Pharmaceutique de Jassy-Chaire
de Microbiologie.

(STAPH INFECTIONS)
(DRUG RESISTANCE, MICROBIAL)
(ANTIBIOTICS)

DUCA, M.; TEODOROVICI, Gr.; DUCA, Eugenia; VANCEA, Georgeta; IVAN, R.;
HANDRACHE, Ludmila; OANA, C.; ALEXANDRESCO, M.

Immuno-epidemiological study on the natural variation of type
A and B influenza viruses during the past 30 years in Rumania.
Arch. roum. path. exp. microbiol. 22 no.4:979-986 8-D'63.

1. Travail de l'Institut Medico-Pharmaceutique de Jassy; Labora-
toire de virologie.

TEODOROVICH, Gr. [Teodorovici, Gr.]; OANE, K. [Oana, C.]; GEORGIU, M.
[Gheorghiu, M.]; PETROAIE, O. [Petroaie, O.]; IVAN, A.

Carriers of antibiotic-resistant staphylococci in various
categories of the population. Zhur. mikrobiol. epid. i
immun. 40 no.5:133-137 My '63. (MIRA 17:6)

1. Iz Mediko-farmatsevticheskogo instituta, g. Yassy.

DUCA, M.; DUCA, Eugenia; BIBERI-MORIANU, Sanda; VANCEA, Georgeta;
HANDRACHE, Ludmila; TEODOROVICI, Gr.; POPA, S.; BUZLUGAN, I.;
MARDARI, A.; OANA, C.; DUMITRESCU, D.; IVAN, A.; BUSILA, I.

Immuno-epidemiological research on encephalitis transmitted
by sheep ticks. Stud. cercet. inframicrobiol. 15 no.3:
231-239 '64.

TEODOROVICI, Gr., conf.; IVAN, A., dr.; OANA, C., dr. ZVORISTEANU,
Virginia, dr.; HANDRACHE, Ludmila, dr.; VASILE, George, dr.;
MANTA, I., dr.; CAMNER, N., dr.; URSA, Mireille, dr.; B. TRN,
Marie-Jeanne, dr.

Evolution of influenza among a group of school-age children in
the year 1962-1963. Microbiologia (Bucur) 9 no.6:523-529
Nov 1964.

1. Lucrare efectuata la Institutul medic-farmaceutic, Iasi.

DUKA, M. [Duca, M.]; TEODOROVICH, G. [Teodorovici, Gr.]; DUKA, Ye. [Duca, E.];
VANCHA, Zh. [Vancea, J.]; IVAN, A.; KHANDRAK, L. [Handrache, L.];
OANA, Ch.; ALEXANDRESCU, M. [Alexandrescu, M.]

Immunoepidemiological study of the natural variability of A and B
viruses in Rumania for the past 30 years. Vop. virus. 10 no.1:56-60
Ja-F '65. (MIRA 18:5)

1. Laboratoriya virusologii Meditsinskogo instituta, Yassy.

RUMANIA

TEODOROVICI, Gr., Conf. Dr.; HOISIE, B., Lieutenant-Colonel, Medical Corps; IVAN, A., Physician; OMEA, C., Physician; CHIRIAC, N., Major, Medical Corps; VANCEA, Georgeta, Physician; and MANDRACHE, Ludmila, Biologist.

"Course of Influenza in the Winter and Spring of 1965 in Some Units in the Territory of Moldavia"

Bucharest, Revista Sanitara Militara, Vol. 62, No. 3, May-June 1966; pp 545-550

Abstract: Description of epidemic of flu in the world since 1960 and in Moldavia in particular, in Winter and Spring of 1965 in several military units there; generally morbidity was about 15% and the disease was running a relatively mild course, presumably due to immune condition from the previous epidemic which was also caused by the influenza strain A₂. 1 Western, 5 Rumanian references. Manuscript received 27 November 1965.

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- 11 -

TEODORU, G.; CERNESCU, G.

Execution of the superstructure of a large road bridge of prestressed concrete. p. 390

REVISTA TRANSPORTURILOR. (Asociatia Stiinfica a Inginerilor si Tehnicienilor din Rominia si Ministerul Transporturilor Rutiere, Navale si Aerine)
Bucuresti, Romania, Vol. 6, no. 2, Sept 1959

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Jan 1960
Uncl.

FACAOARU, I., ing.; TEODORU, G., ing.; BUBULAC, L., ing.

Results in the gammagraphy of reinforced concrete elements.
Rev constr si mat constr 16 no. 6:303-310 Je '64.

POPOVICI, Marcella; NESTORESCO, N.; ALEXENCO, Ecaterina; SOARE, Luiza;
GHIONI, Elena; ALESSANDRESCO, D.; TEODORU, G.

Influence of the cyclic use of antibiotics on the characteristics of
staphylococci in a maternity hospital. Arch. Roum. path. exp. microbiol.
20 no.3:393-398 S '61.

1. Institut Dr. I. Cantacuzino Service des Enterobacteriacees (for
Popovici, Nestoresco, Alexenco, Soare, Ghioni. 2. Maternite Polizu
(for Alessandresco, Teodoru).
(STAPHYLOCOCCUS pharmacology) (ANTIBIOTICS pharmacology)

7/E (DOKU, U. C.
SIBU, P.; TEODORU, G.C.; TEODORESCU, I.; RADULESCU, I.

Investigations on tissular hydratation and capillary resistance and permeability in pregnant women. Rumanian M. Rev. 2 no.1:90-91 Jan-Mar 58.

(PREGNANCY, physiol.

capillary resist. & permeability, relation to water retention)

(WATER, metab.

retention in pregn. relation to capillary resist. & permeability)

(CAPILLARIES

resist. in pregn., relation to water retention)

(CAPILLARY PERMEABILITY, in pregn.

relation to water retention)

MANICATIDE, E. T., dr.; PETRESCU COMAN, V., conf.; PAUN, Florica; BUSULENGA, C.;
TEODORU, I.; ENE, Adela

Clinical aspects of pleuropulmonary staphylococci in children. Micro-
biologia (Bucur) 6 no.1:30 Ja-F '61.

COSMA, St.; TEODORU, I.; BRESTOIU, Camelia

Geologic research in Central Dobruja (green shales).

Dari seama sed 46:207-224 '58/59 [publ. '62].

DINULESCU, G.; STOENESCU, D.; MANOIU, I.; IVANA, Ilie.; VISAN, C.;
TEODORU, M.; RAUCHBACH, C.; NEGRU, I.; LOVIN, Dan.

Piperazine as anthelmintic in parascariasis, oxyuriasis and
strongylosis in horses. Stud. cercet. inframicrobiol., Bucur. 6
no.1-2:295-300 Jan-June 55.

(ASCARIASIS

parascariasis in horses, ther., piperazine)

(OXYURIASIS

in horses, ther., piperazine)

(NEMATODE INFECTIONS

in horses, ther., piperazine)

(HELMINTH INFECTIONS

in horses, ther., piperazine)

(PIPERAZINES, ther. use

helminth & nematode infect. in horses)

(HORSES, dis.

helminth & nematode infect., ther., piperazine)

TEODORU, M.; SEMEN, Ecaterina

Myxedema and encephalopathy. (Considerations on a clinical case).

Stud. cercet. endocr. 13 no.5:679-684, '62.

(MYXEDEMA) (CRETINISM) (GLUTAMATES)
(GROWTH) (CHILD PSYCHOLOGY) (BRAIN DISEASE)

TEODORU, M.; TEODORESCU, Em.; MAXIMILIAN, C.; ILIESCU, Ileana

Research on disorders of sexual dynamics of men. Stud. cercet.
endocr. 15 no.2:341-346 '64.

TEODORU, Tr.

The Photogrammetry Course in Budapest. Probleme geog 9:335-336
'62. (publ. '63)

TEODORU, T.

At the Abu Simbel a sun ray penetrates the milleniums.
St si Teh Buc 15 no.1:34.36 Ja '63

TEODORU, Teodor.

Archeology of Nubia. St al Teh Buc 16 no.2:36-38 F '64.

T. ODORU, T. Bucuresti.

Photogrammetric methods in geographic studies. Natura Geographica
16 no. 4:45-51 J1-Ag 1964.

TECLORU, Tr. (Bucuresti)

International Congress of Photogrammetry, 10th, Lisbon, Fall 1964.
Natura Geografie 16 no.6:75 N-D '64

S/058/62/000/010/007/093
A061/A101

AUTHORS: Teodorescu, I., Makovey, M., Teodoru, V.

TITLE: Widening the energy range of the Y-120 (U-120) cyclotron

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 4, abstract 10B31
("Rev. phys. Acad. RPR", 1961, v. 6, no. 4, 555 - 565)

TEXT: Described are changes in the h-f oscillator circuit, as well as in the accelerating system and in the system of magnetic field correction, that have been performed on the U-120 cyclotron of the Institut atomnoy fiziki (Atomic Physics Institute) in Bucarest (Rumania) to widen the energy range of accelerated particles. Changes were produced in the oscillator throughout all five power-amplifier stages so that it fully spanned the new frequency range (7.3 - 12.5 Mc), at the same time retaining the energy parameters. The oscillator was practically redesigned and can now be tuned in the frequency range of 5 - 16 Mc. The necessary magnetic field correction was ensured by using central and peripheral shims. It is reported that the achieved widening of the energy range has already permitted experiments to be conducted on low energies (4 Mev/coulomb).

[Abstracter's note: Complete translation]

A. Fateyev

Card 1/1

ROMANIA/Farm Animals. Swine

Q-1

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 88080

Author : Teodora V.

Inst : -

Title : Bibliographical Note

Orig Pub : Probl. zootehn., 1957, No 4, 58

Abstract : In connection with the article by Gligor, Radu and Marinescu on "One-Hoofed Swine in Romania" (Probleme Zootehnice, No 9, 1956), it is noted that D. Kantenir was the first to write about the existence of one-hoofed swine. The following excerpt is cited from the book "Descriptio Moldaviae" (1714): "In a village of the Tokhatin Orgeyovski Kray, between the courses of the Reut and Ikhlil rivers, there live swine whose hooves are not divided into two parts but remain whole like the hooves of horses. The swine brought there from other localities started within three years to give birth to one-hoofed piglets; this resulted from their crossing with both the local livestock and with the animals roaming

Card : 1/2

RUMANIA/Farm Animals. - Swine

2-3

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 88080

in large quantities through the forests and rushes along the course of the Dnestr." This translation is considered by the author to be more accurate and close to Kantemir's Latin text than the translations in the old editions (1851, 1875). Thus, it may be assumed as proved that wild one-hoofed swine had long ago already roamed the territories of Rumania in numerous individual herds or together with two-hoofed swine. It is little probable that monodactylism in swine is the consequence of an atavism. This is refuted by Kantemir's text, from which it can be seen that monodactylism is stable and is transmitted to the progeny, inasmuch as the crossing of one-hoofed with other swine resulted in one-hoofed progeny. -- G.A. Titov.

Card : 2/2

ROMANIA/Farm Animals. Swine

Q-3

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 88112

Author : Dermengi B., Teodoru V.

Inst : -

Title : Prolific Mangalitsa Breed in the Turda Region

Orig Pub : Probl. Zootehn. si veterin., No 8, 55-57, 1957

Abstract : The Black Mangalitsa Breed of swine is distinguished by its low fertility, with farrows averaging 5-7 piglets. This is caused by, on the one hand, the small number of ova maturing in the ovary and, on the other, the high percentage of mummified fetuses in the uterus. The Turda region is the site of a prolific White Mangalitsa distinguished by its sturdy constitution; the sows have an average live weight of 142.5 kg and farrow 10-14 piglets with an at-birth weight of 0.900 to 1.350 kg. -- V.V. Polovtsova.

Card : 1/1

RUMANIA/Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101147

Author : Teodoru, Vitali

Inst : -

Title : Experimental Study of Stimulating Growth Processes and Productivity of Domestic Mammals and Birds with Iodoprotein Hormonization.

Orig Pub: An. Rom.-Sov. Ser. agric.-zootehn., 1957, 11, No. 4, 75-90

Abstract: During 1950-1957, hormonization tests were carried out on hens and ducks, as well as on sheep and swine in which trophogen and iodocasein were administered to the animals in order to stimulate their growth and productivity. It was established that when 0.20g of trophogen was administered daily to hens of the Rhode

Card 1/3

9

RUMANIA/Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101147

Island breed, egg productivity increased by 27.9-38.7 percent, and body weight increased 15-20 percent. Egg weight amounted to 62 g as compared to 60 g in controls. Analogous results were obtained in tests with other hen breeds. Trophogen proved to have an inhibitory effect upon the hatching instinct. Under the influence of trophogen, chicks of the Rhode Island breed displayed plumage hyperpigmentation. Tests carried out on ducks produced the following results: daily 0.10 g doses caused a 17.4 percent increase of egg productivity in one-year-old ducks, and a 7.1 percent increase in egg weight. Tests performed on sheep resulted in improved wool quality, increased milk yields, and greater live weights, as well as in better fodder utilization. When trophogen was administered to swine, increased meat

Card 2/3

RUMANIA/Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101147

yields resulted, but lard yields were not
affected. Trophogen hormonization increases
the animals' resistance to pathogenic microbes.
V.V. Polovtsova

Card 3/3

10

TEODORU, V.

TECHNOLOGY

Periodical: REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. No..1,
1958.

TEODORU, V,, Hormonal sterilization of swine. p. 20.

Monthly List of East European Accession (FEAI), LC., Vol.8, No. 3,
March 1959, Unclass.

TEODORU, V.

Microelements in zootechny. p. 12.

REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. (Ministerul Industriei
Bunurilor de Consum) Bucuresti, Rumania. Vol. 6, no. 11, 1958.

Monthly list of East European Accessions (ETAI) LC, ^{vol. 8} no. 8, Aug. 1959.

Uncl.

TEODORU, V. ; CILTEA, D.

Action of a domestic synthetic estrogen upon the increase in weight of bulls.
p. 26.

REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. (Ministerul Industriei
Bunurilor de Consum) Bucaresti, Rumania. Vol. 6, no. 12, 1958.

Monthly list of East European Accessions (EEAI) LC, ^{vol 8}no. 8, Aug. 1959.

Uncl.

MILIU, St. M., acad.; POSTELNICU, D.; TEODORU, V.

Some observations on the structure of the pineal gland in
aged birds and animals. Romanian M. Rev. 3 no.3:14-15
Jl-S '59.

1. "Prof. C.I. Parhon" Institute of Geriatrics, and "Dr. Victor
Eabes", Institute.

(PINEAL BODY)

(POULTRY)

(CATTLE)

(SHEEP)

TEODORU, V.;VICOLEANU, N.;POSCENICU, D.

Some observations in connection with the structure of epiphysis in aged birds and ruminants. p. 521.

COMUNICARILE. Bucuresti. Vol. 9, no. 5, May 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

MILKU, Sh.M. [Milcu, S.M.], akademik; TEODORU, V., inzh.-zootekhnik

Endocrinological research in Rumanian stockbreeding. Zhivotnovod-
stvo 21 no.7:82-85 Je '59. (MIRA 12:9)

1. Direktor Instituta endokrinologii imeni K.I.Parkhona Akademii
Rumynskoy Narodnoy Respubliki (Bukharest) (for Milcu).
(Rumania--Endocrinology--Research)
(Stock and stockbreeding)

POSTELNICU, D.; SAHLEANU, V.; TEODORU, V.

Augmentation of goiter under the action of methylthiouracil and after introduction of alcohol in birds (*Anser domesticus*). *Comunicarile AR* 11 no.7:855-860 '61.

1. Comunicare prezentata de academician St.-M. Milcu, membru al Comitetului de redactie si redactor responsabil, "Comunicarile Academiei Republicii Populare Romine."

Country: Romania

Academic Institute

1961-1962

Source: Bucharest, Probleme Zootehnice si Veterinare, Vol XI, No 9,
Sep 1961, pp 68-70.

Title:

"Artificially Induced Lactation in Non-Fecund Cows."

Authors:

BANICA, Gh. P., -Engineer,- Department of State Farms (Departamentul
Statal).

TRUSKIU, V., -Engineer,- Institute of Endocrinology (Institutul
de Endocrinologie).

NEHOVICI, G., -Engineer,- Center for Artificial Inseminations
(Centrul de Inseminari Artificiale), Agida.

070 9014-3

75

MILCU, Ioana; NANU, Lydia; SITARU, Silvia; TEODORU, V.

Comparative study of the hypoglycemic hormone content of the
pineal body in Bovidae. Stud. cercet. endocr. 13 no.3:365-372
'62.

(PINEAL BODY hormones) (CATTLE physiology)
(GLUCOSE TOLERANCE TEST pharmacology)

DAMIAN, Elena; IONESCU, Margareta; TEODORU, V. _____

Action of extracts of the pineal body of oxen, cows, bulls and
calves on testicular respiration in vitro. Stud. cercet. endocr.
13 no.3:373-375 '62.

(TESTIS metabolism)
(PINEAL BODY extracts)

(TISSUE METABOLISM pharmacology)
(CATTLE)

BANICA, Gh.; TEODORU, V.

Milk production of cattle with re-established reproductive function
following artificially induced lactation. Stud. cercet. endocr.
13 no.6:813-814 '62.
(LACTATION) (REPRODUCTION) (MILK) (SEX HORMONES)

SAHLEANU, V.; TEODORU, V.

Influence of some sulfonamide antidiabetic agents on the growth
and fattening of swine. Stud. cercet. endocr. 13 no.6:815-817
'62.

(GROWTH) (BODY WEIGHT) (ANTIDIABETICS) (SWINE)

- [illegible]

RUMANIA

POSTELNICU, D., Dr and TEODORU, V., Eng, of the "Pantelimon" Farm (Ferman "Pantelimon") of the "Prof. C.I. Parhon" Institute of Endocrinology (a Institutului de Endocrinologie "Prof. C. I. Parhon").

"The Effect of Fodder on the Thyroid."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 13, No 11, Nov 63, pp 69-73.

Abstract: A review of the literature on the effect of cabbage and similar vegetables on the development of thyroid disturbances, especially goiter in cattle and poultry. Presents results of an experiment performed on 15 one-year old Peking ducks and designed to test the effect of cabbage in the diet. It was seen that an effect on the thyroid became evident after about 2 months of cabbage-rich feeding. Therefore, the authors warn against excessive prolonged use of cabbage and suggest iodide salts or potassium iodide to prevent and combat its negative effects.

Includes 6 figures.

1/1

IONESCU, Georgeta; TEODORU, V.; POSTELNICU, D.

Observations on the influence of artificial lighting on the egg
production of ducks. Stud. cercet. endocr. 15 no.2:177-178 '64.

POSTELNICU, D.; BOERU, Vera; IONESCU, Georgeta; TEODORU, V.

Influence of cholesterol treatment on egg production and blood lipids in chickens. Stud. cercet. endocr. 16 no.1:75-77 '65.

TEOLORU, V.

Stabilization of the accelerating voltage in a U-120
cyclotron. Priol. i tekh.eksp. 10 no.5:21-26 S-0 '65.
(MIRA 19:1)
1. Institut atomnoy fiziki, Bukharest. Submitted July 20,
1964.

L 28041-56 EIT(m) IJP(c)

ACC NR: AP5027001

SOURCE CODE: UR/0120/65/000/005/0021/0026

AUTHOR: Tedoru, V.

ORG: Institute of Atomic Physics, Bucharest (Institut atomnoy fiziki)

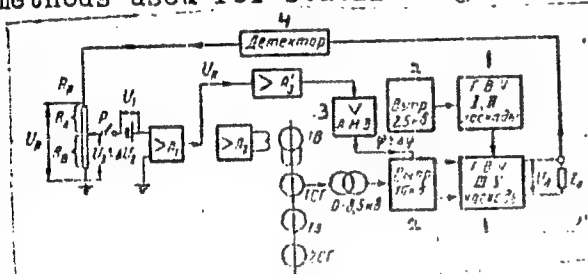
TITLE: Stabilization of accelerating voltage of U-120 cyclotron

SOURCE: Pribyori i tekhnika eksperimenta, no. 5, 1965, 21-26

TOPIC TAGS: cyclotron, electronic circuit

ABSTRACT: After reviewing the gradual development of four successive methods used for stabilizing the dee voltage of the U-120 cyclotron, the author described in detail the

voltage of the U-120 cyclotron, the author described in detail the fourth improved circuit. The U-120 cyclotron belongs to the Bucharest Institute of Atomic Physics. The evolution of methods was represented in four diagrams of which the fourth one is shown in Fig. 1. This fourth final version had a lower time constant and a high stabilization factor for eliminating the low frequency oscillations (1 to 5 cps). In addition, a phase changer was



1-IF cascades; 2-rectifiers;
3-Plate choke coil; 4-detector

Fig. 1

Card 1/2

UDC: 621.316.722.1:621.384.633

L 28041-66

ACC NR: AP5027001

4

included to control the ignition phase of the 10 kv six-phase thyatron rectifier. To control the anode voltage, a plate choke coil was used and its effect on the voltage was explained. The entire arrangement, its tuning and operation was discussed and illustrated by vector diagrams, voltage-phase curves and wiring diagrams. The experiments included the determination of the stabilization factor S_0 and the measurement of the frequency change Δf in the dee oscillation circuit. The experimental results were discussed and presented in tables and curves. The stabilization factor depended upon the circuit parameters and not upon the dee voltage. Under pulsed operation conditions the factor S_0 did not depend upon the duty ratio. The stabilization increased with the increase of amplification in the reactance circuit. The accelerating voltage remained constant in the frequency change range of $\Delta f = 3.6$ kc. This range can be widened two or three times on condition that the ignition phase angle in thyatrons will be decreased by means of a phase changer. The parameters of the circuits and the design data of transformers were given. Gratitude is expressed to M. Makovey and M. Molya for useful advice given and to A. Mitiko and G. Benoyu for their assistance in the apparatus design and construction. Orig. art. has: 14 diagrams.

SUB CODE: 18 / SUBM DATE: 20July64 / ORIG REF: 002 / OTH REF: 002

Card 2/2 CC

RUMANIA

SMOLEAREK, Fr.; TEODORUK, I.; SMETANOWSKI, St.; OSTASZEWSKI, R.
[affiliations not shown], Peoples Republic of Poland

"Autonomic Pharmacologic Block (Ganglioplegia) in the Diagnosis of Hemorrhage"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 45-48

Abstract: Sympatholytic, ganglioplegic treatment brings about a hemodilution from interstitial fluids; hence, the determination of the hemoglobin, red blood cells and hematocrit before and 30 minutes after administration of 10 ml of pendiomid or equivalent intramuscularly will be a diagnostic aid in hemorrhage under appropriate conditions as used by the author for eleven years successfully, as shown in 4 case histories; 2 graphs.

RUMANIA / Farm Animals. Sheep and Goats.

Q-3

Abs Jour : Raf Zhur - Biol., No 14, 1958, No 64485

Author : Teodoryanu, N.; Derlodzha, V.

Inst : Academy of Sciences, Rumania

Title : Histological Investigation of the Skin in Crossbreeds of the First Generation Tsigay X Tsurkan in Relation to the Thickness of Wool.

Orig Pub : Biol. zh. Akad. RNR, 1956, 1, No. 2, 195-210

Abstract : The histological study of the skin (the thickness of epidermis, density and dimensions of follicles, dimensions and depth of the embedding of the hair roots, etc.) was carried out in 9 crossbreeds of the I generation of Tsigay X Tsurkan and of 1 Sturkan sheep. The majority of the properties of the skin had an intermediate character between the parental breeds. The relationship between the dimensions of hair roots and thickness of wool was established.

Card 1/1

ILIYEVSKIJ, K., prof., TEODORYANU, T., (Rumyniya)

Studies on the effect of hypoveral in hypertension. Terap. arkh.
30 no. 9:43-52 S'58 (MIRA 11:10)

(VERATRUM ALKALOIDS, ther. use,
hypoveral in hypertension (Rus))
(HYPERTENSION, ther.
Veratrum alkaloid hypoveral (Rus))

7^{TEODOSIEV, L.}

MITOV, A.; IVANOV, N.; SAVOV, S.; TEODOSIEV, L.; KHRISTOV, G.; IONKOV, S.;
ASSA, N.; KAITAZOV, G.; DRAGIEV, M.; KROSEVA, Iu.

Results of investigation in benign leptospirosis in southern Bulgaria.
Izv. mikrob. inst., Sofia Vol. 3:57-82 1952.

1. Izvursheni v Propedevtichnata vutreshna klinika, v sutrudnichestvo
s Patologo-anatomichnii i Mikrobiologichnii instituti pri Meditsin-
skata Akademiia I.P.Pavlov, Plovdiv.
(LEPTOSPIROSIS, statistics,
Bulgaria)

TEODOSIEV, L.

MITOV, A., dots.; SAVOV, S.; PANTEV, I.; ASA, M.; TEODOSIEV, L.;
KHRISTOV, G.; KAITAZOV, G.

Epidemiological considerations on carriers of benign leptospirosis
in Bulgaria. Suvrem. med., Sofia 5 no.2:74-80 1954.

1. Iz Propedevtichnata vutreshna klinika pri Meditsinskata
akademija I.P.Pavlov, Plovdiv (zav: dots. A.Mitov).

(LEPTOSPIROSIS, epidemiology,

*Bulgaria, carriage by rodents)

(RODENTS,

*transm. of leptospirosis in Bulgaria)

TEODOSIEV, L.

~~CONFIDENTIAL~~

Thiosulfate liver function tests. Suvrem.med., Sofia. 5 no.10:
104-109 1954.

1. Iz Vutreshnata propedevtichna klinika pri Meditsinskata aka-
demia I. P. Pavlov, Plovdiv (direktor: dots. A. Mitov).
(LIVER FUNCTION TESTS,
thiosulfate test)

THEODOSIEV, L.

Examination of the secretory function of the renal tubules.
Suvren. med., Sofia 7 no.9:78-86 1956.

1. Ot Katedrata po vutreshna propedevtichna klinika pri VMI
I. P. Pavlov-Plovdiv. (Zav. katedrata: dots. An. Mitov).
(KIDNEYS, in various dis.
filtration function of renal tubules.

IANKOV, N.; MITOV, A.; SAVOY, S.; PANTEV, I.; ~~THEODOSIEV, L.~~

A field rodent *Apodemus agrarius*, the carrier of *L. bataviae*.
Suvrem. med., Sofia 7 no.10:86-87 1956.

1. Iz Katedrata po propedevtika na vutreshnite bolesti (Zav.
katedrata: dots. An. Mitov) i Instituta po biologija pri VMI
I.P. Pavlov - Plovdiv (Zav: prof. Zh. Lambrev).

(LEPTOSPIRA

bataviae, transmission by *Apodemus agrarius*)

(RODENTS

Apodemus agrarius, carrier of *Leptospira bataviae*)

MITOV, A.; VASILEV, V.; TEODOSIEV, L.

Features of the clinical course of a case of leptospirosis bataviae.
Suvrem. med., Sofia 9 no.2:111-113 Feb 58.

1. Iz Katedrata po propedeutika na vutreshnite bolesti pri VMI I. P.
Pavlov; Plovdiv (Zav. katedrata: Dots. An. Mitov).

(LEPTOSPIROSIS, case rep.
bataviae (Bul))

TELCHAROV, L.; SAVOV, S.; TEODOSIEV, L.

On Waldenstrom's dysproteinemic plasmocellular proliferation on the basis of 2 cases. Suvrem med., Sofia no.9:108-114 '60.

1. Iz Katedrata po patofiziologija pri VMI "I.P.Pavlov", Plovdiv.
(Rukov. na katedrata prof. D-r L.Telcharov) i Katedrata po
propedeutika na vutreshnite bolesti pri VMI "I.P.Pavlov", Plovdiv
(Rukov. na katedrata prof. An.Mitov)
(SERUM GLOBULIN)

ТЕОДОСИЕВ

TEODOSIEV, L. St.; Department of Propedeutic Internal Medicine of Medical College (Katedra po propedevtika na vutreshnite bolesti pri VMI) "I.P. Pavlov," Head Prof A. MITOV, Plovdiv.

"Clinical Aspects of Acute Renal Insufficiency."

Sofia, Suvremenna Meditsina, Vol 14, No 6, 1963; pp 14-21.

Abstract [English summary modified]: Review of literature on diagnostic and etiologic classes; significance and prognosis of degrees of changes in urine volume and specific gravity; glomerular filtration rate; proteinuria, sediment patterns; tubular function; uremia, hypertension. Brief data on 173 patients with 2 somewhat detailed case reports; one of the 2 patients was 65 years old and succumbed with presumptive etiologic diagnosis of hemorrhagic nephrosonephritis; the other, a man aged 30 with onset following apparent alimentary intoxication, eventually recovered completely. Four Soviet, 8 Western and 9 Bulgarian references (latter include thesis.)

1/1

STRALA-DEMILOVA, Marija; TEOLOSIEVA, Vera

Appropos of a case of congenital toxoplasmosis. God. zborn. med.
fak. Skopje 11:249-256 '64.

1. Klinika za detski bolesti i Klinika za očni bolesti na medi-
cinski fakultet vo Skopje.

TEODOSIEVSKI, D.; STAROVA, V.

Serofibrous preurisy in infancy (report of a case). God. zborn.
med. fak. Skopje 11:261-267 '64.

1. Klinika za detski bolesti pri medicinskiot fakultet, Skopje.

TEODOSIEVSKI, Donko (Skopje); KAZANLIEVA-TEODOSIEVA, Ivanka (Skopje)

Problems and prospects of medicinal plants in Macedonia. Pharmaceut
gl Zagreb Supplement (18) no.5:51-52 '62

1. "Bilka" Enterprise and Institute of Urbanism of Macedonia, Skopje.

NIKOLIC, Milisav; BARJAKTAROVIC-NIKOLIC, Kosara; TEODOSIJEVIC, Dusan

4 cases of dermatomyositis. Srpski arh. celok. lek. 89 no.4:477-483
Ap '61.

1. Neuropsihijatrijska klinika Medicinskog fakulteta Univerziteta u
Beogradu. Upravnik: prof. dr Uros Jekic, Psihijatrijska bolnica u
Beogradu. Upravnik: prim. dr Stevan Jovanovic.

(DERMATOMYOSITIS case reports)

TEODOSIEVSKI, D.; VLASKI, R.

Epidemiological and clinical characteristics of military tuberculosis based on the material of the Skopje Pediatric Clinic.
Tuberkuloza 15 no.1:116-119 Ja-Mr '63.

1. Klinika za decje bolesti Medicinskog fakulteta, Skopje.
(TUBERCULOSIS IN CHILDHOOD)
(TUBERCULOSIS, MILIARY)
(STATISTICS)

5

TEODOSIU, Cristian

Solving the plane problem of the theory of elasticity in case of the multiply connected domains, with the aid of the Airy function. Studii cer mat 12 no.2:543-552 '61.

MISICU, M.; TEODOSIU, C.

The axial symmetrical problem and plane problem of the elasticity theory for the nonhomogeneous isotropic bodies. Comunicarile AR 12 no.8:921-927 Ag '62.

1. Comunicare prezentata de academician E. Carafoli.

44712

R/008/62/013/006/003/008
A065/A126

44712
AUTHOR: Teodosiu, Cristian

TITLE: The solution of the plane problem of the theory of elasticity in the case of some arbitrary body forces

PERIODICAL: Studii și cercetări de mecanică aplicată, v. 13, no. 6, 1962, 1,409 - 1,424

TEXT: The solving of the plane problem of the theory of elasticity in the case of some arbitrary body forces can be reduced to the solving of the same problem in the absence of body forces, provided that a particular solution of a system of equations of the plane problem and a modification of the boundary conditions are determined. Starting with the equations of the static equilibrium, the author establishes the basic equations, which enable a determination of a particular solution of the equation system of the plane problem in the general case of the multiply-connected field and of some body forces, satisfying very wide regularity conditions, by two-dimensional singular integrals in the general case, and by primitive function determinations in the case of body forces whose

Card 1/2

The solution of the plane problem of the

R/008/62/013/006/003/008
A065/A126

components are analytic functions of coordinates. This general method is then applied to two particular cases: body forces deriving from a uniform potential $V(x, y)$; and body forces with analytic components in comparison with the variables x and y . The results obtained are then used in the investigation of the case of a circular collar, subjected to some external stresses given on a frontier, and to some arbitrary body forces with components of x and y analytic functions. The relations developed in the first application, i.e., body forces deriving from an analytic potential, can be simplified, if the potential $V(x, y)$ is uniform and analytic in a simply-connected field D_0 , which completely includes the field D . The author finally examines the possible extensions of the problem studied.

SUBMITTED: August 4, 1962

Card 2/2

TEODOSIU, Kristian [Teodosiu, Cristian]

Solution of the plane problem of the theory of elasticity
in the case of arbitrary forces. Rev mec appl 8 no. 4: 639-
653 '63.

authors make use of their earlier research (St. Gerget. Mechan. r
eplicate Acad. R.P.R. 1963 v. 14, No. 4 and 1964, v. 15, No. 4)

Card - 1/2

L 16292-65
ACCESSION NR: AP4049973

and treat such a system without the use of linearization. The equations of motion of the free vibrations are integrated and the effect of dissipation on the maximum amplitudes and accelerations, and also on their distribution in time, is studied in detail. Methods of the maximum accelerations are calculated and methods for determining the attenuation characteristics from oscillograms are indicated. The conclusions contain a discussion of the shortcomings of linearization methods used at the present time in investigations of such systems and it is pointed out that the use of the present results can eliminate these shortcomings. Orig. art. has: 4 figures, 56 formulas, and 3 tables.

ASSOCIATION: Institute of Applied Mechanics, Bucharest

SUBMITTED: 13Jun64

ENCL: 00

SUB CODE: ME

NR REF SOV: 003

OTHER: 004

Card 2/2

TEODOSIU, C.

On the determination of internal stresses and couple stresses
in the continuum theory of dislocations. Bul Ac Pol tech 12
no.12:877-882 '64.

1. Institute of Mathematics of the Rumanian Academy of Sciences,
Bucharest. Submitted September 24, 1964.

JAKAB, I.; THEODOSIU, C.; RUGINA, I.; DUDITA, Fl.

Experimental study method of the dynamic behavior of truck transmissions. Constr mas 16 no. 3:150-153 Mr '64.

DINCA, F.; TUDORU, I.

Calculation of seismicity by means of...
16 no.4:877-879 '64.

1. "Traian Vuia" Institute of Applied Mechanics, Romanian Academy,
Bucharest.

DINCA, FL.; TEODOSIU, G.

Study of free oscillation systems with nonymmetrical square dissipation. Studi cerc mat apl 17 no.5:1173-1176 '64.

1. "Traian Vuia" Institute of Applied Mechanics of the Romanian Academy, Bucharest. Submitted June 12, 1964.